## **Harting Declaration**

# Redacted Version of Document Sought to be Sealed

#### UNITED STATES DISTRICT COURT

#### NORTHERN DISTRICT OF CALIFORNIA, OAKLAND DIVISION

CHASOM BROWN, WILLIAM BYATT, JEREMY DAVIS, CHRISTOPHER CASTILLO, and MONIQUE TRUJILLO, individually and on behalf of themselves and all others similarly situated,

Plaintiffs,

VS.

GOOGLE LLC,

Defendant.

Case No. 4:20-cv-03664-YGR-SVK

### **DECLARATION OF RICHARD HARTING**

- 1. I am a Software Engineer employed by Google LLC. I have been employed at Google as an engineer since January 2013. Since around mid-2017, I manage the Google Ad Manager reporting infrastructure team at Google. My team processes Sawmill Ads logs at Google. These logs store historical event-level data about ads served through the Google Ad Manager product and users' interactions with them. As a result of my work, I have knowledge of the Sawmill Ads logs, including how they are structured, maintained, and stored. I have also been called upon to assist Google litigation counsel in processes related to preservation and searching of various additional logs. I make this declaration based on personal knowledge and information provided to me by Google colleagues, and if called to testify, I could and would competently testify to such facts.
- 2. I understand Plaintiffs are requesting Google preserve all data in, and suspend the normal business retention of, various logs and keyspaces, including:
- 3. The data sources implicated by Plaintiffs' preservation demand record many billions of entries a day. These data sources are burdensome to preserve, search, and maintain. Based on my understanding of these data sources and Google's data logging system, I believe it is not feasible to store all data in these data sources indefinitely. Even if we were able to find some engineering

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8	7. I also understand the Special Master has recommended that Google preserve all
9	records for 10,000 randomly selected U.S. based UIDs from the selected data sources for each day
10	for which there is data. This sampling approach will require at least engineering hours to
11	ideate, accomplish and maintain for the alone. Other impacted teams, including
12	UMA, Analytics, and will also have to implement and maintain preservation pipelines.
13	8. In addition, I understand that Plaintiffs demand Google to preserve encryption keys
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16	I declare under penalty of perjury that the foregoing is true and correct.
17	Executed on the 25 <sup>th</sup> day of April 2022 at New York.
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20	By:
21	Richard Harting
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